

Title (en)
POLYURETHANE COATED POLYOLEFIN FILM AND METHOD FOR MAKING IT

Title (de)
POLYURETHAN BESCHICHTETE POLYOLEFINFOLIE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
FILM DE POLYOLÉFINE REVÊTU DE POLYURÉTHANE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 4352141 A1 20240417 (EN)

Application
EP 21737549 A 20210607

Priority
CN 2021098559 W 20210607

Abstract (en)
[origin: WO2022256957A1] Provided herein is a laminate, comprising a polyolefin-based substrate film having a first inner surface and a first outer surface, and a polyurethane-based top coating having a second inner surface and a second outer surface, wherein the first inner surface is in contact with the second inner surface, wherein the polyurethane-based top coating is formed by mixing an isocyanate-terminated component and a hydroxyl-terminated component and coating the mixture onto the first inner surface of the polyolefin-based substrate film. Also provided are methods of preparing the laminate, articles comprising the laminate and use of the laminate in the packaging of a product.

IPC 8 full level
C08J 7/046 (2020.01); **B32B 27/32** (2006.01)

CPC (source: EP KR US)
B32B 27/08 (2013.01 - EP KR); **B32B 27/32** (2013.01 - EP KR); **C08J 7/0427** (2020.01 - EP KR US); **C08J 7/046** (2020.01 - EP); **C09D 175/04** (2013.01 - KR US); **B32B 2250/242** (2013.01 - EP KR); **B32B 2255/10** (2013.01 - EP); **B32B 2255/26** (2013.01 - EP KR); **B32B 2307/54** (2013.01 - EP KR); **B32B 2307/584** (2013.01 - EP KR); **B32B 2307/72** (2013.01 - EP KR); **B32B 2553/00** (2013.01 - EP KR); **C08J 2323/02** (2013.01 - EP KR); **C08J 2323/06** (2013.01 - US); **C08J 2323/08** (2013.01 - EP KR); **C08J 2323/12** (2013.01 - US); **C08J 2323/20** (2013.01 - US); **C08J 2475/04** (2013.01 - EP KR US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022256957 A1 20221215; AR 126014 A1 20230830; BR 112023025153 A2 20240227; CN 117425688 A 20240119; EP 4352141 A1 20240417; KR 20240019792 A 20240214; MX 2023014289 A 20240221; TW 202313348 A 20230401; US 2024218139 A1 20240704

DOCDB simple family (application)
CN 2021098559 W 20210607; AR P220101440 A 20220531; BR 112023025153 A 20210607; CN 202180098802 A 20210607; EP 21737549 A 20210607; KR 20247000061 A 20210607; MX 2023014289 A 20210607; TW 111119979 A 20220530; US 202118288943 A 20210607